

ABSTRACT

A wavelength stabilization module having a light-receiving element array and a method of manufacturing the same are disclosed. The wavelength stabilization module having a laser diode which irradiates a laser beam at the front side and the rear side thereof comprises a collimator for paralleling the laser beam irradiated at the rear side; a beam splitter for splitting the laser beam passed through the collimator into the two directional laser beams; a light-receiving element for receiving one of the split laser beams; a filter for transmitting a specific wavelength of the other of the split laser beams; a light-receiving element array for receiving the laser beam passed through the filter; and a controller for controlling the output wavelength of the laser diode by using the signals output from the light-receiving element and the light-receiving element array, and the filter and the light-receiving element array are tilted at a predetermined angle with respect to the laser beam and lock the wavelength by using an incident angle dependency of the laser beam passed through the filter.